

CQI Value Coding

Absolute CQI ( $E_{\text{pilot}}/N_t$ ) Measured in dB	Encoded Absolute CQI Measurement ( <i>cqi_value</i> )
Below -15.5 (or Mobile Station not ready)	'0000'
-15.5 to -14.0	'0001'
-14.0 to -12.5	'0010'
-12.5 to -11.0	'0011'
-11.0 to -9.5	'0100'
-9.5 to -8.0	'0101'
-8.0 to -6.5	'0110'
-6.5 to -5.0	'0111'
-5.0 to -3.5	'1000'
-3.5 to -2.0	'1001'
-2.0 to -0.5	'1010'
-0.5 to 1.0	'1011'
1.0 to 2.5	'1100'
2.5 to 4.0	'1101'
4.0 to 5.5	'1110'
Above 5.5	'1111'

FIG. 1

Accumulator Value Mapping for C/I Codes

Channel Quality Indicator Channel Value ( <i>cqi_value</i> )	Accumulator Value (dB)
'0000'	-16.25
'0001'	-14.75
'0010'	-13.25
'0011'	-11.75
'0100'	-10.25
'0101'	-8.75
'0110'	-7.25
'0111'	-5.75
'1000'	-4.25
'1001'	-2.75
'1010'	-1.25
'1011'	0.25
'1100'	1.75
'1101'	3.25
'1110'	4.75
'1111'	6.25

FIG. 2

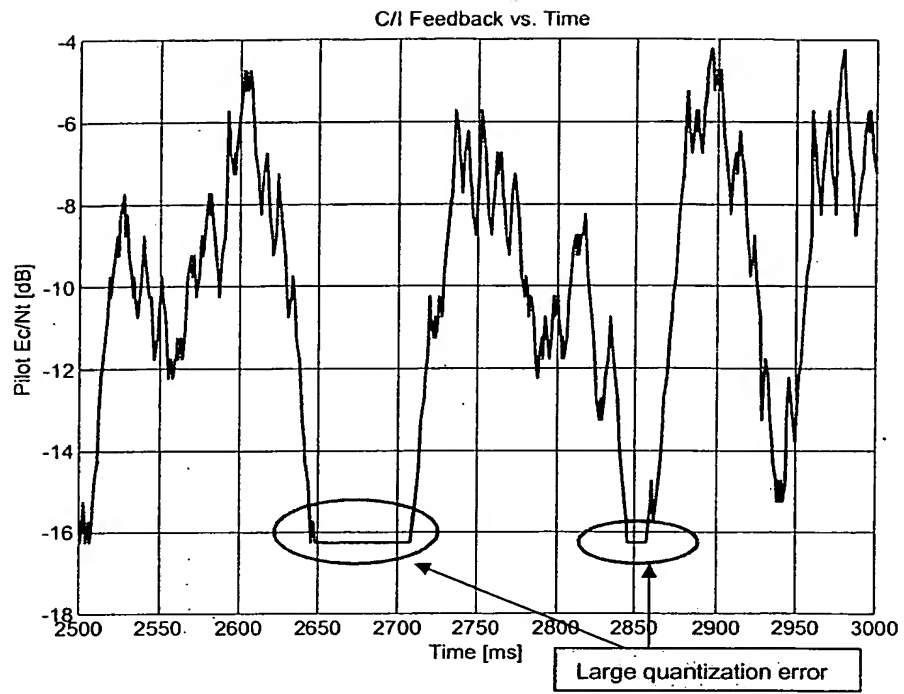


FIG. 3

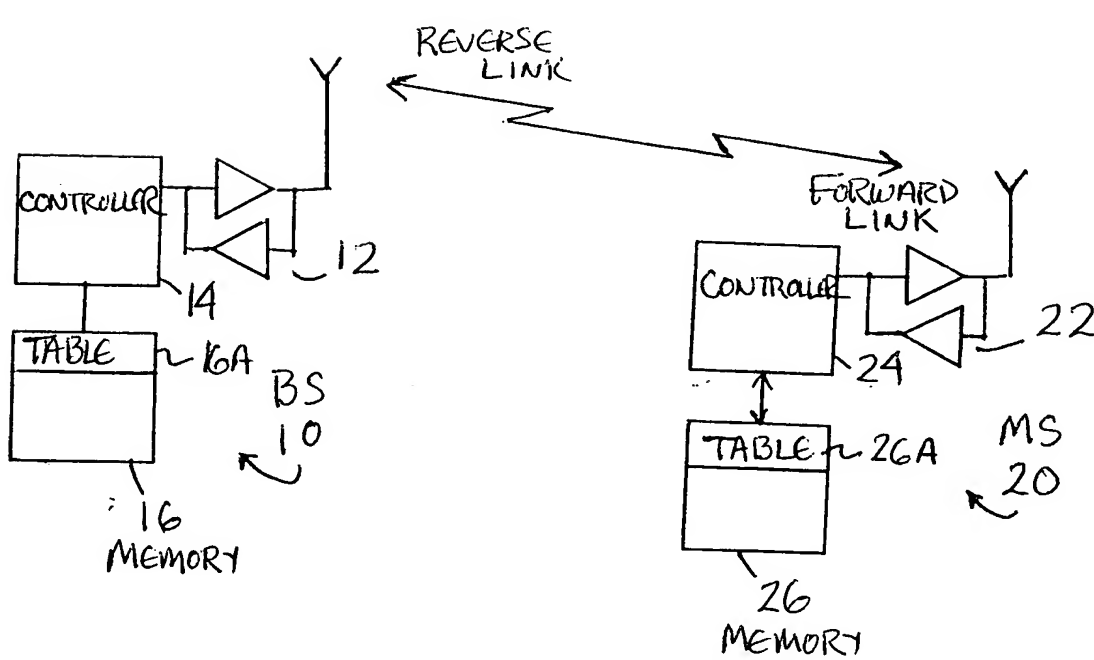


FIG. 4

FIG. 5

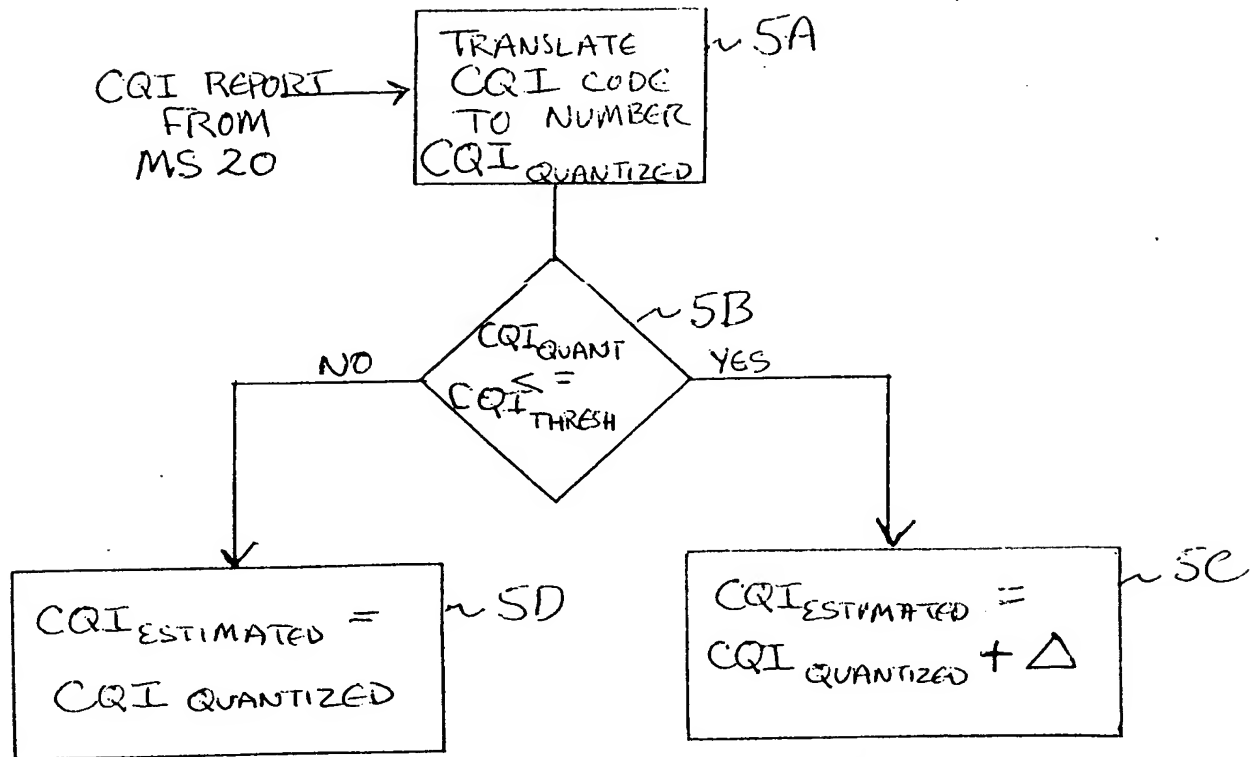
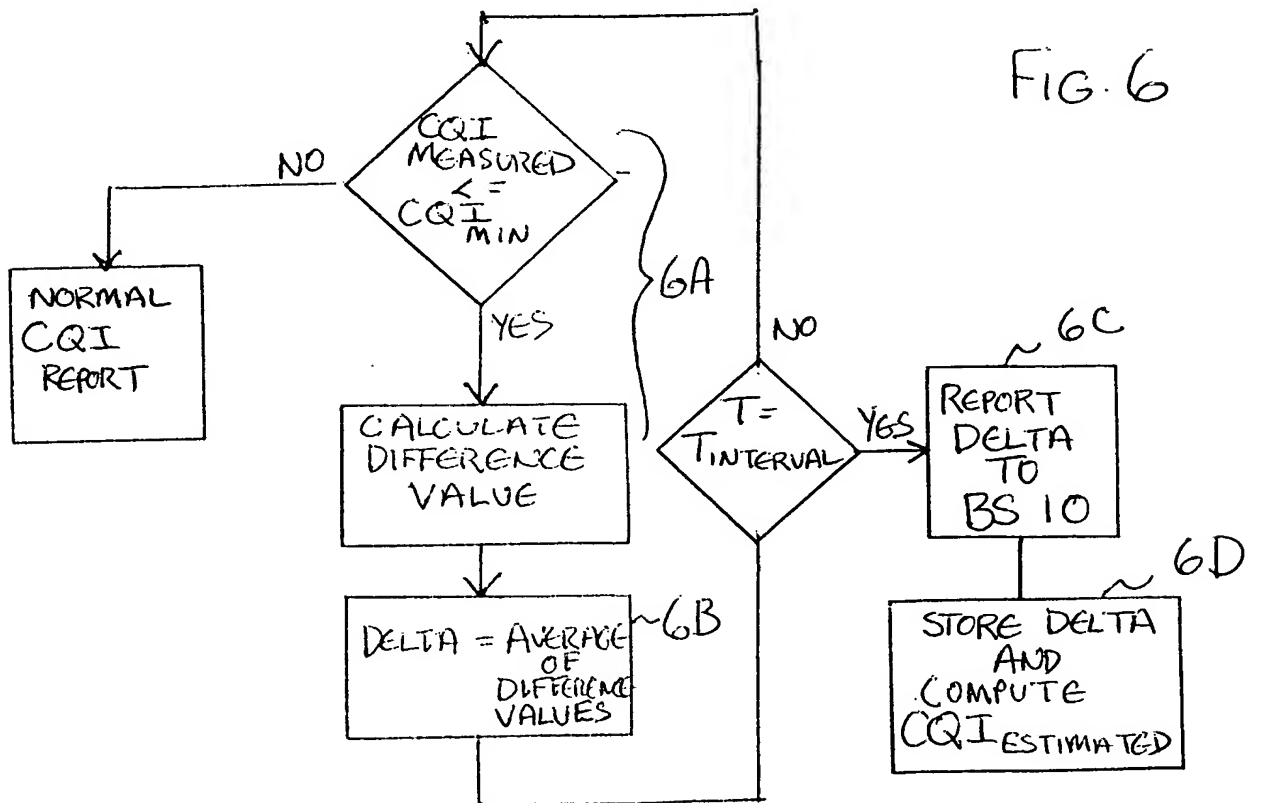


FIG. 6



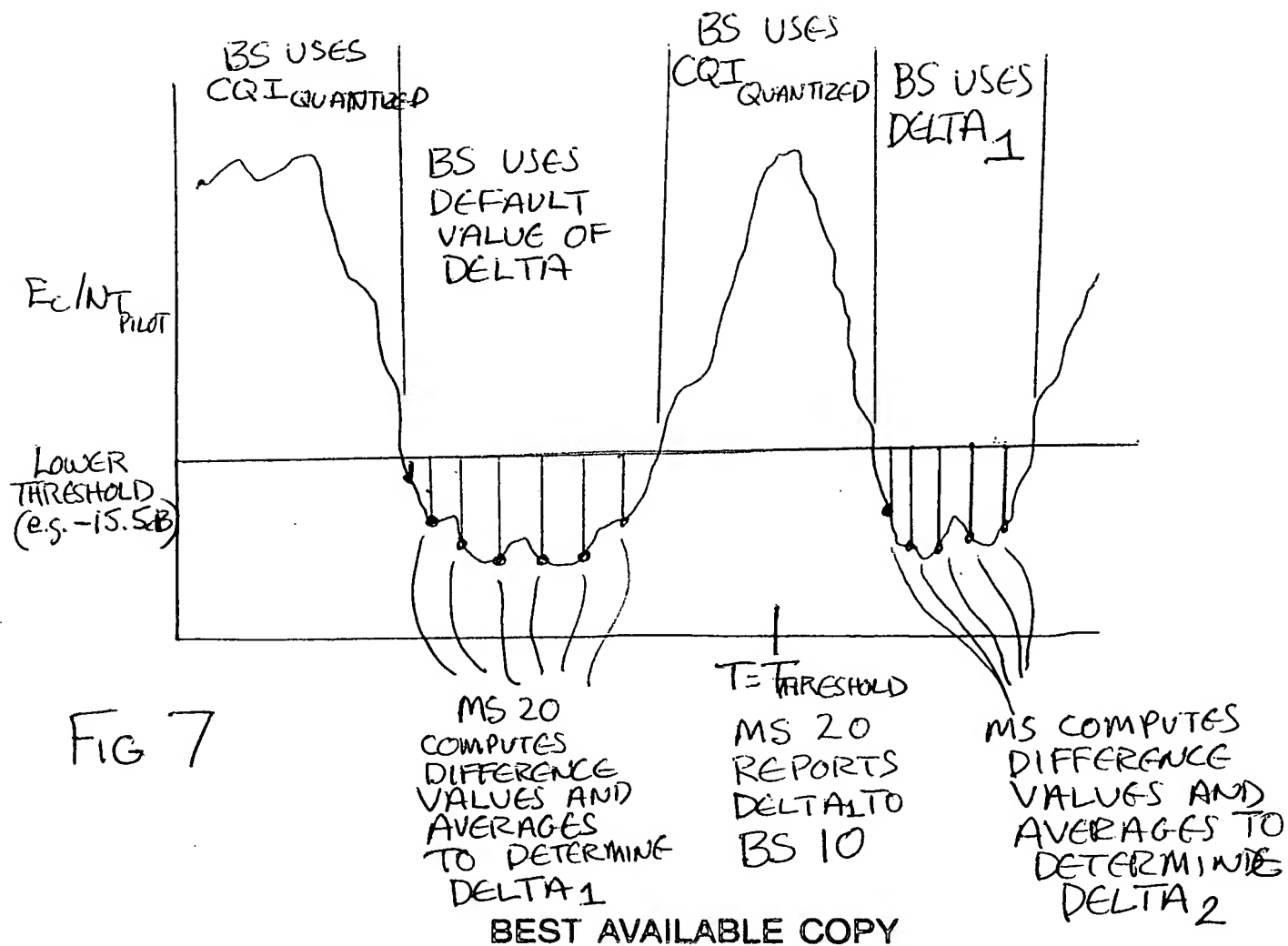


FIG 7

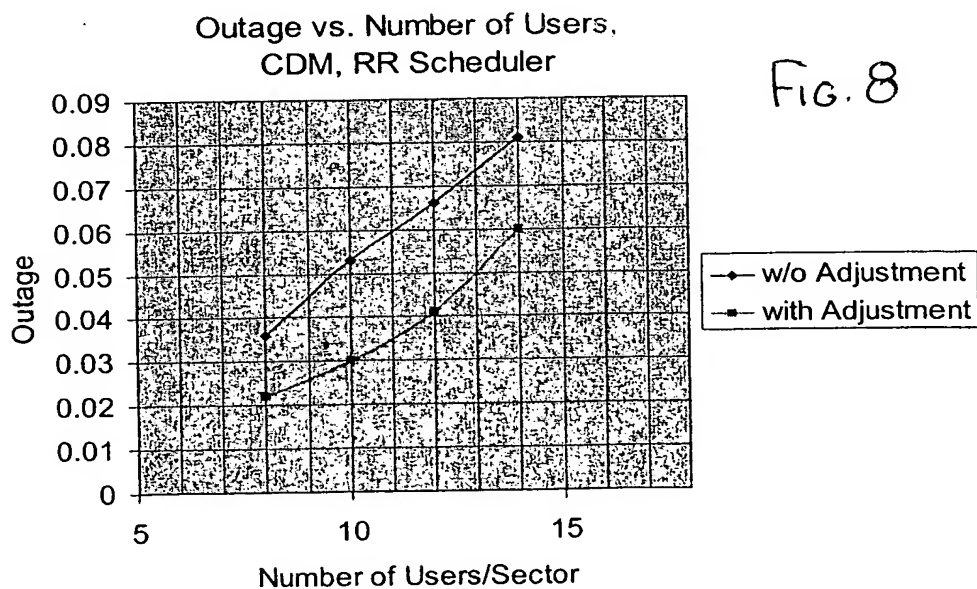


FIG. 8

FIG. 9

